

What is claimed is:

1. A multi-channel induction accelerator, comprising:
an injector block;
5 a drive source;
output systems; and
a multi-channel induction acceleration block, which is made in the form
of an aggregate of one-channel linear induction acceleration blocks (including those
that are placed parallel with one to other), each of which is made in the form of a
10 sequence of linearly connected acceleration sections, each of which, in turn, is made
in the form of one or more magnetic inductors enveloped by conductive screening
2. The multi-channel induction accelerator of claim 1, in which:
at least one of the conductive screens is made in a such manner that it
15 envelops, at least two acceleration sections, which belong to different one-channel
linear induction acceleration blocks.
3. The multi-channel induction accelerator of claim 2, in which:
the multi-channel induction acceleration block is composed in accordance with
20 the design scheme of the acceleration block of the multi-channel induction linear
accelerator.
4. The multi-channel induction accelerator of claim 2, in which:
the multi-channel induction acceleration block is configured in accordance
25 with the design scheme of the acceleration block of the multi-channel induction
undulation accelerator.